

Appendix I

Sample Alteration Forms

SAMPLE ALTERATION CHECKLIST

Project Name and Number:

Project Name and Number: NEWMARK RIFES GW CONTAMINATION PROJECT 62172.32.31 *Source*

Material to be sampled:

NA

Measurement Parameter:

NA

Standard Procedure for Field collection & Laboratory Analysis (cite references):

2/19/92 NEWMARK SAMPLE PLAN P 68 SECTION 6.2.1 LINES 14 - 22

4. AIR-ROTARY CASING HAMMER TECHNIQUES WILL BE USED TO INSTALL TEMPORARY SURFACE CONDUCTOR CASING WHICH WILL BE INSTALLED TO PREVENT RAVELING OF THE SHALLOW SOILS... IN THE SOURCE AREA, (AND PLUME AREA)

Reason for change in Field Procedure or Analytical Variation:

IN ORDER TO MINIMIZE THE NOISE AND GROUND REVERBERATIONS
OCCURRING DURING CASING HAMMER TECHNIQUES AND MINIMIZE
DISTURBANCE TO NEARBY RESIDENCES.

Variation from Field or Analytical Procedure:

AN AUGER RIG WAS USED TO DRILL DOWN TO APPROXIMATELY 20' FOR SOURCE WELLS AND 30' IN PLUME WELL AND CASING WAS SET. NO CHANGE IN DESIGN - JUST CHANGE IN CASING PLACEMENT AND FINAL CHOICE OF CONDUCTOR CASING DEPTH IN PLUME W.

Special Equipment, Materials, or Personnel Required:

Initiators Name: Larry Emky

Date: 5/6/92

Project Approval:

Date: 6 Mar 92

Laboratory Approval:

Date:

QA Officer/Reviewer:

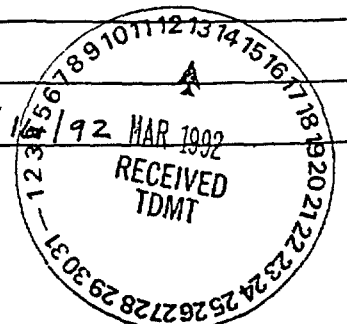
Date:

Sample Control Center:

Nilda hum

Date:

03/14⁵/92 MAR 1002



SAMPLE ALTERATION CHECKLIST

Project Name and Number:

NEWMARK REIFS GW CONTAMINATION PROJECT 62172, 32.40

Material to be sampled:

SUBSURFACE SOILS

Measurement Parameter:

MOBILE - VOAS & TPH CLP - VOAS, BNA, P/PCB, TOTAL METALS

Standard Procedure for Field collection & Laboratory Analysis (cite references):

2/19/92 NEWMARK SAMPLE PLAN P43-47 SECTION 5.0 TABLES 5-4 & 5-5

CONDITIONS PERMITTING, ALL OF THE SOIL SAMPLES LISTED IN THE TABLE WILL BE COLLECTED AND WILL BE IDENTIFIED WITH THE SAMPLE NUMBERS LISTED. SOIL SAMPLE NUMBERS WILL HAVE A^{23/12/92} SEQUENTIAL NUMBERS AT THE END.

Reason for change in Field Procedure or Analytical Variation:

① SINCE MWO4, ^{MWO6} MWO5 AND MWO3 SOILS WILL BE SAMPLED AT TWO INTERVALS ONLY (PER SECTION 4 P 27) ONLY TWO SOIL SAMPLE NUMBERS WILL BE USED INSTEAD OF THE FIVE LISTED. FOR MWO2 MORE SOILS WILL BE COLLECTED THAN ARE LISTED IN TABLE 5-4 & 5-5. MWO6 ONLY TWO SOIL SAMPLES WILL BE COLLECTED FROM MWO6 BOREHOLE AS WELL.

② A FIELD CHANGE WAS INITIATED TO IMPROVE TRACKING. THE LAST TWO NUMBERS OF THE SAMPLE NUMBER FOR CLP AND MOBILE WILL CORRESPOND TO THE LAST TWO NUMBERS OF THE ARCHIVE SELECTED FOR Variation from Field or Analytical Procedure: ANALYSIS

LE 3/2/92

① ONLY TWO SUBSURFACE SOIL SAMPLES WERE ANALYZED BY MOBILE ^{LE 3/27/92} (PER RESPONSE #3 IN LETTER TO KEVIN MAIER 2/20/92) AND CLP LABS. FOR BORINGS MWO4, MWO5, MWO3, ^{MWO6} THE SEQUENTIAL NUMBER ON THE SAMPLE # WILL NOT CORRESPOND TO THE ORDER OF SAMPLING. THIS IS SIMPLY A CLARIFICATION THAT OF THE 5 SOIL SAMPLE NUMBERS

LE 3/9/92

② REFERENCED IN TABLE 5-4 & 5-5 ONLY THE LAST TWO WILL BE ANALYZED. INSTEAD OF SEQUENTIALLY NUMBERING THE SAMPLES SELECTED FOR ANALYSIS Special Equipment, Materials, or Personnel Required: THE LAST TWO ^{LE 3/12/92} NUMBERS OF THE

ARCHIVE WILL BE USED.

Initiators Name:

LARRY ZINKY Jay Zin

Date:

3/9/92

Project Approval:

D. R. R.

Date:

26 MAR 92

Laboratory Approval:

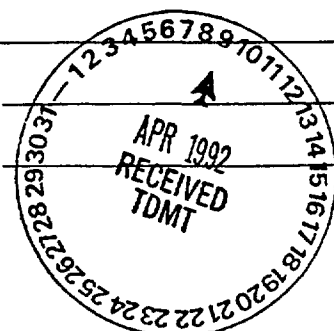
Date:

QA Officer/Reviewer:

Date:

Sample Control Center:

Date:



SAMPLE ALTERATION CHECKLIST

Project Name and Number:
NEWMARK REIFS 62172

Material to be sampled:
GROUNDWATERS

Measurement Parameter:
EPA 601, 602, TPH-GAS, TPH DIESEL BY MOBILE LABORATORY

Standard Procedure for Field collection & Laboratory Analysis (cite references):
NEWMARK SAMPLE PLAN SECTION 6.0 P 23 LINE 2 - "SAMPLE PRESERVATION WILL BE PERFORMED IMMEDIATELY UPON SAMPLE COLLECTION"; LINE 5 VOLATILES - "1.1 HCL WILL BE ADDED"

TABLE 5-2 P 37 PRESERVATIVES STATE - 1.1 HCL TO PH < 2

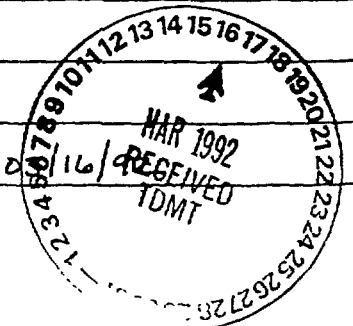
Reason for change in Field Procedure or Analytical Variation:

THE MOBILE LABORATORY MANAGER NOTIFIED URS THAT PRESERVATION OF SAMPLES WAS UNNECESSARY SINCE EXTRACTION OF THE SAMPLES WILL ALWAYS OCCUR BEFORE THE HOLDING TIME EXPIRES

Variation from Field or Analytical Procedure:

NONE OF THE WATER SAMPLES COLLECTED FOR 601, 602 OR TPH WILL BE PRESERVED. THEY WILL BE ANALYZED WITHIN THE 7 DAY OR 14 DAY HOLDING TIME. IF A SITUATION ARISES THAT PRESERVATION IS NECESSARY THE MOBILE LAB PERSONNEL WILL NOTIFY US AND WE WILL PRESERVE THE SAMPLE.
Special Equipment, Materials, or Personnel Required:

Initiators Name: LARRY ZINKY Jay Jr Date: 3/12/92
Project Approval: [Signature] Date: 12 MAR 92
Laboratory Approval: _____ Date: _____
QA Officer/Reviewer: _____ Date: _____
Sample Control Center: Nelda Lum Date: _____



SAMPLE ALTERATION CHECKLIST

Project Name and Number:

Newmark EIRFS 62172.31.31 @ 62172.32.31

Material to be sampled:

Groundwater

Measurement Parameter:

Groundwater physical parameter

Standard Procedure for Field collection & Laboratory Analysis (cite references):

PAGE 80 Section 6.2.6 of FSP, TSOP 5.1

Reason for change in Field Procedure or Analytical Variation:

Collection of parameters every 5 min during a 2 to 4 hour pulse provides no significant data

Variation from Field or Analytical Procedure:

Change frequency of collection of groundwater parameters from every 5 min to a minimum of once per calculated casing volume

Special Equipment, Materials, or Personnel Required:

Initiators Name: DENNIS BANE

Date: 12 MAR 92

Project Approval: [Signature]

Date: 12 MAR 92

Laboratory Approval:

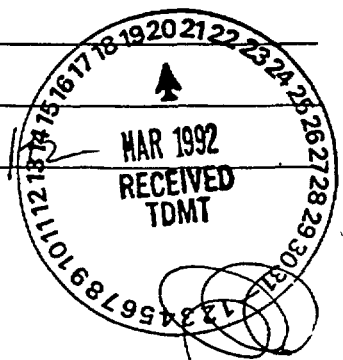
Date:

QA Officer/Reviewer:

Date:

Sample Control Center: [Signature]

Date: 03/70



Project Name and Number: NEWMAK REFS 62172, 31, 31 AND 62172, 32, 31

NA

Measurement Parameter: SAMPLE LOCATION IDENTIFICATION AND PHOTOGRAPHING

T30P 2.5 REVISION D: SAMPLE LOCATION DOCUMENTATION/ SECTION 4.2 AND 4.3. USE OF WOODEN STAKES TO MARK SAMPLING LOCATIONS, PHOTOGRAPH OF SAMPLING LOCATION BEFORE "SAMPLING", DOCUMENTATION OF PHOTOS IN FIELD NOTEBOOK AND PHOTO LOG

- MONITOR WELLS PROVIDE A FIXED POINT MONUMENT WHICH CAN BE SURVEYED AT A LATER TIME. THE PHOTOGRAPHING OF A STAKE FOR A MONITOR WELL LOC. 319142 IS NOT DESIRABLE BECAUSE THE WELL IS TYPICALLY LOCATED AS CLOSE AS POSSIBLE BUT NOT AT THE SPOT.
- PHOTOS OF THE MW LOCATION CAN BE DONE DURING OR AFTER DRILLING SINCE THE BOREHOLE AND WELL LOCATION ARE FIXED AND IDENTIFIABLE.
- THE PHOTO LOG IS THE PRIMARY FORM FOR PHOTO INFO. LOGGING THE PICTURE NUMBER AND ROLL NUMBER IN THE FIELD NOTEBOOK IS OPTIONAL SINCE IT IS REDUNDANT.

LZ 3/10/92

WOODEN STAKES WILL NOT BE USED TO MARK THE LOCATION OF THE MONITOR WELL. 3/8" BOREHOLES TO BE DRILLED ON SITE. PHOTOGRAPHS OF THE BOREHOLE LOCATION MAY NOT BE BEFORE DRILLING IS OPTIONAL. PHOTOGRAPH INFORMATION SHOULD BE NOTED IN THE PHOTOGRAPH LOG PRIMARILY AND CAN BE NOTED IN THE FIELD NOTEBOOK IF THE LOG IS NOT AVAILABLE, BUT THE INFORMATION DOES NOT HAVE TO BE RECORDED IN BOTH.

Special Equipment, Materials, or Personnel Required:

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3/13/92

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03/19/92

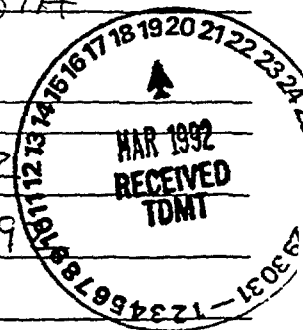


Exhibit 2.47
Sample Alteration ChecklistProject Name and Number: NEWMARK RIFES GROUNDWATER CONTAMINATION PROJECT 62172.32.Material to be Sampled: SOILMeasurement Parameter: PAS VOA, BVA, P/PCB, & TOTAL METALS; MOBILE 601, 602, TPAStandard Procedure for Field Collection and Laboratory Analysis (cite references): NEWMARK SAMPLE PLAN SECTION 4.2.2 "SOURCE AREA SOIL SAMPLING" AND SECTION 6.2.3 "SOURCE AREA SOIL SAMPLING", "SOIL SAMPLES WILL BE COLLECTED WITH A SPLIT-SPOON SAMPLER, OR CORE BARREL"

Reason for Change in Field Procedure or Analytical Variation: AS REQUESTED BY THE EPA RDM, SAMPLING AND ANALYSIS OF SOILS OVERLYING THE CAT PIT WAS CONDUCTED, SINCE THE AUGER RIG WAS USED TO DRILL THE FIRST 27 FEET OF MWOZ AND A SPLIT-SPOON OR CORE BARREL SAMPLER COULD NOT BE ADVANCED USING THE AUGER RIG, SOIL SAMPLES HAD TO BE COLLECTED FROM THE AUGER FLIGHTS. SINCE FIELD SCREENING DID NOT DETECT SOIL CONTAMINATION AND THE MATERIAL BEING DRILLED THROUGH APPEARED TO BE FILL, IT WAS FELT THAT AUGER B.T

Variation from Field or Analytical Procedure: DECONTAMINATION WAS UNNECESSARY
SOIL SAMPLES SMWOZ-01M & -01C AND SMWOZ-02M WERE COLLECTED FROM THE AUGER FLIGHTS AT DEPTHS OF 10.0' AND 20.0' RESPECTIVELY AND ANALYZED BY THE MOBILE AND LLP LABORATORIES. THE AUGER FLIGHTS WERE NOT DECONTAMINATED IN BETWEEN THE COLLECTION OF SAMPLES AT 10' AND 20'

Special Equipment, Materials or Personnel Required: _____

Initiators Name: Lay ZinDate: 3/20/92Project Approval: [Signature]Date: 20 MAR 92

Laboratory Approval: _____

Date: _____

QA Officer/Reviewer: _____

Date: _____

TDMT Filing: Lay ZinDate: 4/24/92

Exhibit 2.4-7
Sample Alteration Checklist

Project Name and Number: NEWMARK RE/FS GROUNDWATER CONTAMINATION PROJECT 62172

Material to be Sampled: GROUNDWATER

Measurement Parameter: SCREEN LENGTHS IN MW04

Standard Procedure for Field Collection and Laboratory Analysis (cite references): NEWMARK SAMPLE PLAN SECTION 6.2.2 P. 71 LINES 9-13. "THE SHALLOW WELL WILL BE CONSTRUCTED OF A 20-FOOT LENGTH OF 0.020 - INCH SLOT CONTINUOUS WRAP SCREEN, THE DEEPER WELL... WILL BE CONSTRUCTED OF THE SAME MATERIALS.

Reason for Change in Field Procedure or Analytical Variation: THE CLUSTER WELLS WERE MISTAKENLY CONSTRUCTED USING 10 FOOT SCREEN INTERVALS DUE TO SUBCONTRACTOR WELL CONFUSION OF SOURCE AND PLUME CONSTRUCTION DETAILS, DUE TO THE UNSTABLE NATURE OF THE FORMATION, THE SITE MANAGER MADE THE DECISION TO LEAVE THE CASING IN THE BOREHOLE TO AVOID THE POSSIBILITY OF COLLAPSING THE BOREHOLE DURING REMOVAL

Variation from Field or Analytical Procedure: THE WELL SCREEN LENGTH FOR MW04A WAS INSTALLED AS A 10 FOOT SECTION (265' TO 275') AND MW04B WAS INSTALLED AS A 10 FOOT SECTION (385 TO 395) INSTEAD OF 20' SECTIONS, TO INCREASE THE WELL INTAKE HORIZON A 20 FOOT FILTER PACK WAS INSTALLED.

Special Equipment, Materials or Personnel Required: _____

Initiators Name: Lay Zin

Date: 3/24/92

Project Approval: [Signature]

Date: 20 MAR 92

Laboratory Approval: _____

Date: _____

QA Officer/Reviewer: _____

Date: _____

TDMT Filing: Lay Zin

Date: 4/24/92

SAMPLE ALTERATION CHECKLIST

Project Name and Number:

NEWMARK REIFS GROUNDWATER CONTAMINATION PROJECT 62172, 32.40

Material to be sampled:

GROUNDWATER

Measurement Parameter:

CLP - SAS VOCs, SAS BVA, SAS PIRB, SAS TOTAL METALS; MOBILE 601, 602, TPA 6, D

Standard Procedure for Field collection & Laboratory Analysis (cite references):

NEWMARK SAMPLE PLAN SECTION 6.2.5 "THE WELL WILL BE ALLOWED TO RECOVER FOR AT LEAST 24 HOURS (AFTER DEVELOPMENT), AFTER WHICH IT WILL BE SOUNDED, PURGED, AND SAMPLED..."

Reason for change in Field Procedure or Analytical Variation:

LZ 3/24/92

PROVIDE A LONGER PERIOD FOR OXYGEN TRAP POTENTIALLY TRAPPED IN THE FORMATION (DUE TO DEVELOPMENT) TO DISSIPATE.

Variation from Field or Analytical Procedure:

LZ 3/24/92

* GROUNDWATER SAMPLES WILL NOT BE COLLECTED UNTIL THE WELL HAS BEEN ALLOWED TO RECOVER FOR AT LEAST 48 HOURS AFTER DEVELOPMENT.

Special Equipment, Materials, or Personnel Required:

Initiators Name:

Lay Zing

Date:

3/24/92

Project Approval:

[Signature] RE

Date:

3/26/92

Laboratory Approval:

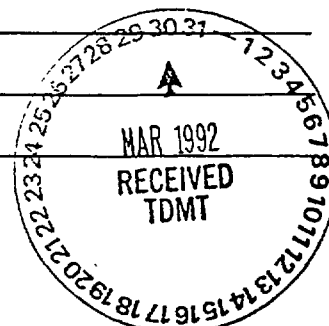
Date:

QA Officer/Reviewer:

Date:

Sample Control Center:

Date:



SAMPLE ALTERATION CHECKLIST

Project Name and Number:
NEWMARK REIFS GROUNDWATER CONTAMINATION PROJECT 62172, 32.31
, 31.31

Material to be sampled:

NA

Measurement Parameter:

NA

Standard Procedure for Field collection & Laboratory Analysis (cite references):
NEWMARK SAMPLE PLAN SECTION 6.2.1 "AIR ROTARY CASING HAMMER
TECHNIQUES WILL BE USED TO INSTALL TEMPORARY CASING"
SURFACE CONDUCTOR

Reason for change in Field Procedure or Analytical Variation:

ONCE THE DECISION WAS MADE TO INSTALL THE CONDUCTOR CASING
USING THE AUGER RIG TO MINIMIZE NOISE, THE CONDUCTOR CASING
INSTALLED MUST BE PERMANANT SINCE WHEN INSTALLED, THE
CASING MUST BE CEMENTED INTO PLACE.

Variation from Field or Analytical Procedure:

PERMANANT SURFACE CONDUCTOR CASING WAS USED IN ALL
WELLS INSTALLED IN THE SOURCE AND PLUME.

Special Equipment, Materials, or Personnel Required:

Initiators Name: Larry Zin

Date: 3/24/92

Project Approval: [Signature]

Date: 3/26/92

Laboratory Approval: _____

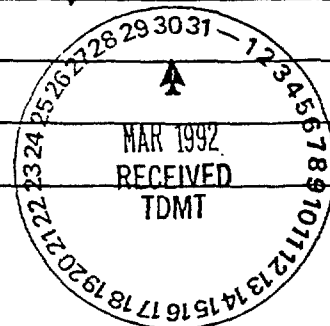
Date: _____

QA Officer/Reviewer: _____

Date: _____

Sample Control Center: _____

Date: _____



SAMPLE ALTERATION CHECKLIST

Project Name and Number:

NEWMARK 62172.31.60

Material to be sampled:

GROUNDWATER

Measurement Parameter:

SAS EPA 624 - FIELD BLANK

Standard Procedure for Field collection & Laboratory Analysis (cite references):

NEWMARK FSP SECTION 5, TABLE 5-1.

COLLECT MUNT-10-01, MUNT-10-02 EPA SAS 624 GROUNDWATERS (2)

Reason for change in Field Procedure or Analytical Variation:

CHANGED FIELD BLANK LOCATION FROM MUNT-10 to MUNT-12 DUE TO PUMP BEING FROZEN IN MUNT-10.

MUNT-10 NOT SAMPLABLE

Variation from Field or Analytical Procedure:

NO VARIATION IN PROCEDURE, JUST CHANGE IN LOCATION

FIELD BLANK WFB12-01C COLLECTED INSTEAD OF

WFB10-01C, SAME 624 ANALYSIS

MUNT-10-01 SAS EPA 624, MUNT-10-02 SAS EPA 624 UNABLE TO COLLECT LOSS OF 2 SAMPLES FOR EPA 624 GROUNDWATER

Special Equipment, Materials, or Personnel Required:

N/A

Initiators Name: PETER CRISPELL

Date: 3/25/92

Project Approval: [Signature]

Date: 25 MAR 92

Laboratory Approval: _____

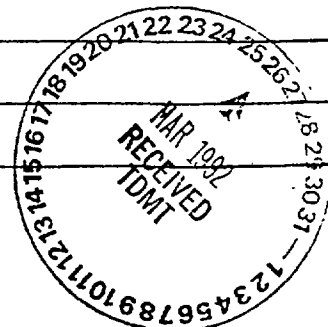
Date: _____

QA Officer/Reviewer: _____

Date: _____

Sample Control Center: _____

Date: _____



SAMPLE ALTERATION CHECKLIST

Project Name and Number:
NEWMARK RI/FS GROUND WATER CONTAMINATION PROJECT 62172.32.3

Material to be sampled:
DRILLING MUD USED DURING DRILLING OF PLUME WELL MWO1

Measurement Parameter:
TEMPERATURE AND CONDUCTIVITY

Standard Procedure for Field collection & Laboratory Analysis (cite references):

NEWMARK SAMPLE PLAN SECTION 6.2.1 PAGE 69 LINES 5-6

"ADDITIONALLY, THE DRILLING FLUIDS IN THE PLUME AREA WILL BE PERIODICALLY MONITORED FOR TEMPERATURE AND CONDUCTIVITY"
Reason for change in Field Procedure or Analytical Variation:

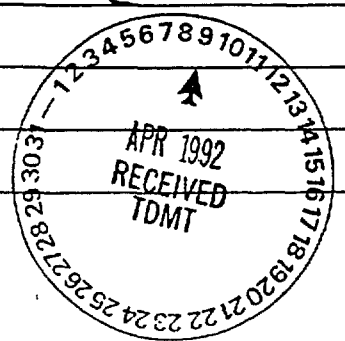
THE EQUIPMENT NECESSARY FOR THE MEASUREMENTS WAS NOT FUNCTIONING PROPERLY AND THE DRILLING WAS COMPLETED BY THE TIME REPLACEMENT EQUIPMENT ARRIVED.

Variation from Field or Analytical Procedure:

NO TEMPERATURE OR CONDUCTIVITY MEASUREMENTS OF THE MWO1 DRILLING MUD WERE COLLECTED DURING THE DRILLING OF THE WELL BORING.

Special Equipment, Materials, or Personnel Required:

| | |
|--------------------------------------|------------------------|
| Initiators Name: <u>Jay King</u> | Date: <u>3/27/92</u> |
| Project Approval: <u>[Signature]</u> | Date: <u>27 MAR 92</u> |
| Laboratory Approval: _____ | Date: _____ |
| QA Officer/Reviewer: _____ | Date: _____ |
| Sample Control Center: _____ | Date: _____ |



SAMPLE ALTERATION CHECKLIST

Project Name and Number: NEWMARK RIFTS GROUNDWATER CONTAMINATION PROJECT 62172.32.40
31.40

Material to be sampled:
SOIL AND GROUNDWATER

Measurement Parameter:
CUSTODY OF SAMPLES ON EPA SAMPLE CHAIN OF CUSTODIES

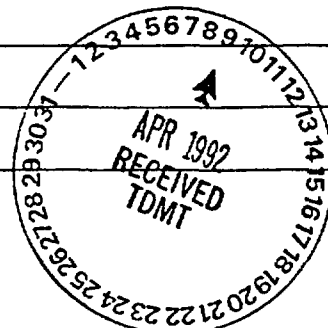
Standard Procedure for Field collection & Laboratory Analysis (cite references):
NEWMARK SAMPLE PLAN SECTION 6.8.1 SAMPLE SHIPPING FORMS
AND TSOP 2.3 EXHIBIT 2.3-1 ORGANIC TRAFFIC REPORT & CHAIN OF
CUSTODY FORM RECORD AND EXHIBIT 2.3-2 SAS PACKING LIST/CHAIN OF
CUSTODY (SPL/LOC) (OTR/LOC)

Reason for change in Field Procedure or Analytical Variation:
L2 3/27/92

WE
THE FIELD PERSONNEL MUST USE THE EPA COLS PROVIDED FOR
THE PROJECT BY THE REGION 9 RSL. A REVIEW OF THE FORMS
DID NOT RESULT IN THE NEED TO REQUEST NEW COPIES THAT MATCH
THE TSOPS EXACTLY. THEREFORE, THE FORMS WERE USED. THE INORCA
TRAFFIC REPORT/LOC FORMS PROVIDED AND IN THE TSOP ARE NOT DIFFERENT.
Variation from Field or Analytical Procedure:
L2 3/27/92

THE (OTR/LOC) AND SPL/LOC PROVIDED BY THE EPA
FOR THIS PROJECT WERE SLIGHTLY DIFFERENT THAN THOSE
PROVIDED AS EXAMPLES IN TSOP 2.3. EXAMPLES ARE ATTACHED. THE
NEW AND OLD OTR/LOCs DIFFER ONLY SLIGHTLY IN THE AREAS CIRCLED - NO
TSOP MODIFICATION IS NECESSARY. THE SPL/LOC PROVIDED FOR THE NEWMARK
PROJECT HAS AN EXTRA COLUMN AND IS MISSING FOUR FIELDS FOUND ON THE TSOP
Special Equipment, Materials, or Personnel Required: L2
EXAMPLE, A TSOP MODIFICATION WILL BE NECESSARY IF THIS FORM WILL
BE USED BY THE EPA FROM NOW ON.

Initiators Name: Jay Zing Date: 3/27/92
Project Approval: [Signature] Date: 27 MAR 92
Laboratory Approval: _____ Date: _____
QA Officer/Reviewer: _____ Date: _____
Sample Control Center: _____ Date: _____





United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Organic Traffic Report & Chain of Custody Record

(For Organic CLP Analysis)

SAS No.
(if applicable)

Case No.

| | | | | | | | | | | | | | | | |
|----------------------------------|--|----------------------|----------------------|---------------------------|---------------------------|----------------|--|-----------------|----------------------------------------------------|---------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------------------------------------------------------------|
| 1. Project Code | | Account Code | | 2. Region No. | | Sampling Co. | | 4. Date Shipped | | Carrier | | 6. Preservative (Enter in Column D) 1. HCl 2. HNO ₃ 3. NaHSO ₄ 4. H ₂ SO ₄ 5. Other (Specify) 6. Ice only N. Not preserved | 7. Sample Description (Enter in Column A) 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil/Sediment 6. Oil (High only) 7. Waste (High only) 8. Other (Specify) | | |
| Regional Information | | | | Sampler (Name) | | | | Airbill Number | | | | | | | |
| Non-Superfund Program | | | | Sampler Signature | | | | 5. Ship To | | | | | | | |
| Site Name | | | | 3. Type of Activity | | | | ATTN: | | | | | | | |
| City, State | | Site Spill ID | | 3. Type of Activity | | | | | | | | | | | |
| CLP Sample Numbers (from labels) | | A Enter # from Box 7 | B Conc. Low Med High | C Sample Type: Comp./Grab | D Preservative from Box 6 | E RAS Analysis | | | F Regional Specific Tracking Number or Tag Numbers | | G Station Location Number | H Mo/Day/Year/Time Sample Collection | I Sampler Initials | J Corresp. CLP Inorg. Samp. No. | K Enter Appropriate Qualifier for Designated Field QC |
| | | | | | | | | | | | | | | | B = Blank S = Spike D = Duplicate PE = Perform. Eval. -- = Not a QC Sample |
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SARCE SOP 4.3 EXHIBIT 2.5-2



United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Spec. Analytical Service

Packing List/Chain of Custody

SAS No.

58675

| 1. Project Code TEC-122C | | Account Code | | 2. Region No. 10 | | Sampling Co. URS | | 4. Date Shipped 08/23/91 | | Carrier FED. EX | | 6. Sample Description (Enter in Column A) | | 7. Preservative (Enter in Column C) | |
|-------------------------------------|---------------------------|------------------------------|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------------------------|--|
| Regional Information | | | | Sampler (Name) PAUL SANDER | | | | Airbill Number 0683352109 | | | | 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil/Sediment 6. Oil 7. Waste 8. Other (Specify) | | | |
| Non-Superfund Program | | | | Sampler Signature <i>Paul Sander</i> | | | | 5. Ship To LABORATORY ANALYTICAL SERVICES, INC. | | | | | | | |
| Site Name ANACONDA METALS | | | | 3. Type of Activity | | | | 1317 South 23 rd STREET SEATTLE, WA, 98126 | | | | | | | |
| City, State ANYTOWN ID | | Site Spill ID ID13 | | Remedial <input checked="" type="checkbox"/> SF <input type="checkbox"/> PRP <input type="checkbox"/> ST <input type="checkbox"/> FED | | Pre-Remedial <input type="checkbox"/> PA <input type="checkbox"/> SSI <input type="checkbox"/> LSI | | RIFS <input type="checkbox"/> RD <input type="checkbox"/> RA <input type="checkbox"/> O&M <input type="checkbox"/> NPLD | | <input checked="" type="checkbox"/> CLEM <input type="checkbox"/> REMA <input type="checkbox"/> REM <input type="checkbox"/> OIL <input type="checkbox"/> UST | | 1. HCl 2. HNO ₃ 3. NaHSO ₄ 4. H ₂ SO ₄ 5. NaOH 6. Other (SAS) (Specify) 7. Ice only N. Not preserved | | | |
| Sample Numbers | A Matrix Enter from Box 6 | B Conc Low Med High | C Preservative Used from Box 7 | D Analysis | | E Regional Specific Tracking Number or Tag Number | | F Station Location Identifier | | G Mo/Day/Year/Time Sample Collection | | H Sampler Initials | I Designated Field QC | | |
| 153675-06-01 | 2 | L | 1,7 | VOA-DW | | 91341001 | | WMW05-01 | | 08/23/91 11050 | | P.S. | | | |
| 253675-06-02 | 2 | L | 1,7 | VOA-DW, MS/MSD | | 91341002 | | WMW06-01 | | 08/23/91 1313 | | P.S. | | | |
| 3. | | | | | | | | | | | | | | | |
| 4. | | | | | | | | | | | | | | | |
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| 9. | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | |
| Shipment for SAS complete? (Y/N) | | Page 1 of 1 | | Sample Used for Spike and/or Duplicate 58675-06-02 | | | | Additional Sampler Signatures | | | | Chain of Custody Seal Number | | | |

CHAIN OF CUSTODY RECORD

| | | | | | |
|----------------------------------------------------|------------------------------------|------------------------------------------------------|------------------------------|------------------------------------------|--------------------------|
| Relinquished by: (Signature) <i>Paul Sander</i> | Date / Time 8/23/91 1625 | Received by: (Signature) FED EX 0683352109 | Relinquished by: (Signature) | Date / Time | Received by: (Signature) |
| Relinquished by: (Signature) | Date / Time | Received by: (Signature) | Relinquished by: (Signature) | Date / Time | Received by: (Signature) |
| Received by: (Signature) | Date / Time | Received for Laboratory by: (Signature) | Date / Time | Remarks Is custody seal intact? Y/N/none | |

EPA Form: 9110-3 (7/91)

DISTRIBUTION:

White - Region Copy Yellow - SMO Copy Gold - Lab Copy Pink - Lab Copy for Return to SMO

Split Samples ☐ Accepted (Signature)☐ Declined

S005401



United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Special Analytical Service

SAS No.

Packing List/Chain of Custody

| | | | | | | | | | | |
|----------------------------------|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------------------------------------------------|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|--------------------|-----------------------|
| 1. Project Code | Account Code | 2. Region No. | Sampling Co. | 4. Date Shipped | Carrier | 6. Sample Description (Enter in Column A) 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil/Sediment 6. Oil 7. Waste 8. Other (Specify) | 7. Preservative (Enter in Column C) 1. HCl 2. HNO ₃ 3. NaHSO ₄ 4. H ₂ SO ₄ 5. NaOH 6. Other (SAS) (Specify) 7. Ice only N. Not preserved | | | |
| Regional Information | | Sampler (Name) | | Airbill Number | | | | | | |
| Non-Superfund Program | | Sampler Signature | | 5. Ship To | | | | | | |
| Site Name | | 3. Type of Activity | | NOTE: DIFFERENCE BETWEEN TSP 2.3 AND NEWARK FORM CIRCLED | | | | | | |
| City, State | Site Spill ID | Lead Pre-Remedial RIFS Removal SF <input type="checkbox"/> Remedial RD <input type="checkbox"/> CLEM <input type="checkbox"/> PRP <input type="checkbox"/> PA <input type="checkbox"/> RA <input type="checkbox"/> REMA <input type="checkbox"/> ST <input type="checkbox"/> SSI <input type="checkbox"/> O&M <input type="checkbox"/> REM <input type="checkbox"/> FED <input type="checkbox"/> LSI <input type="checkbox"/> NPLD <input type="checkbox"/> OIL <input type="checkbox"/> UST <input type="checkbox"/> | | | | | | | | |
| Sample Numbers | A Matrix Enter from Box 6 | B Conc Low Med High | C Preservative Used from Box 7 | D Analysis | E Sample used for spike and/or duplicate | F Regional Specific Tracking Number or Tag Number | G Station Location Identifier | H Mo/Day/Year/Time Sample Collection | I Sampler Initials | J Designated Field QC |
| 1. | | | | | | | | | | |
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| 9. | | | | | | | | | | |
| 10. | | | | | | | | | | |
| Shipment for SAS complete? (Y/N) | | | | | | | | | | |

CHAIN OF CUSTODY RECORD

| | | | | | |
|------------------------------|-------------|-----------------------------------------|------------------------------|-------------|----------------------------------|
| Relinquished by: (Signature) | Date / Time | Received by: (Signature) | Relinquished by: (Signature) | Date / Time | Received by: (Signature) |
| Relinquished by: (Signature) | Date / Time | Received by: (Signature) | Relinquished by: (Signature) | Date / Time | Received by: (Signature) |
| Received by: (Signature) | Date / Time | Received for Laboratory by: (Signature) | Date / Time | Remarks | Is custody seal intact? Y/N/none |

EPA Form

DISTRIBUTION:

White - Division Copy Yellow - SMO Copy Gold - Lab Copy Pink - Lab Copy for Return to SMO

Split Samples ☐ Accepted (Signature)

☐ Declined

Exhibit 2.4-7
Sample Alteration Checklist

Project Name and Number: NEWMARK REIFS GROUNDWATER PROJECT

Material to be Sampled: GROUNDWATER

Measurement Parameter: LAB QC AND DUPLICATE GROUNDWATER FRACTIONS

Standard Procedure for Field Collection and Laboratory Analysis (cite references): TABLE 5-2,

NEWMARK SAMPLE PLAN, DUPLICATED FOR MW01A-01M
WAS MOVED TO PORT H, NEWMARK SP TABLE 5-3, LAB QC
WAS MOVED FROM PORT ~~A~~ TO PORT J. DUPLICATE MOVED FROM
PORT MW01A TO MW01G. B

Reason for Change in Field Procedure or Analytical Variation: DURING INDIVIDUAL WELL
PORT DEVELOPMENT FOR MW01, A SHEEN WAS OBSERVED
ON THE WATER TAKEN FROM THE G AND J
INTERVAL. IN AN ATTEMPT TO MOVE DUPLICATES AND LAB QCS
TO PORTS ~~WHICH~~ WHICH SHOULD SHOW CONTAMINATION, THE
G, H, AND J PORTS WERE USED FOR THESE SAMPLES.

Variation from Field or Analytical Procedure: NO CHANGE IN ^{TOTAL} ANALYSES RUN,
JUST IN PORT CHOSEN FOR MOBILE & CLP DUPLICATE
SAMPLES. WMW01H-02M COLLECTED INSTEAD OF
WMW01A-02M. WMW01J-01C COLLECTED AS A LAB QC
WMW01G-02C COLLECTED INSTEAD OF WMW01A-02C

Special Equipment, Materials or Personnel Required: _____

Initiators Name: [Signature]

Date: 6/22/92

Project Approval: [Signature]

Date: 6 JUL 92

Laboratory Approval: _____

Date: _____

QA Officer/Reviewer: Wilde hum

Date: 7 JUL 92

TDMT Filing: Wilde hum

Date: 7 JUL 92

Exhibit 2.4-7
Sample Alteration Checklist

Project Name and Number: NEWMARK RIFES GROUNDWATER PROJECT

Material to be Sampled: GROUNDWATER

Measurement Parameter: SAS VOLATILES, TPH-G, TPH-D, KAS BNA, P/PCB, & TOTAL METALS

Standard Procedure for Field Collection and Laboratory Analysis (cite references): NEWMARK SAMPLE PLAN SECTION 6.0, P 81 LINES 5-6. "PRIOR TO THE COLLECTION OF THE GROUNDWATER SAMPLES, THE SAMPLING PORT AND SCREEN INTERVAL WILL BE PURGED OF ONE VOLUME"

Reason for Change in Field Procedure or Analytical Variation: THE RECOVERY OF GROUNDWATER FROM PORT MW01A WAS VERY SLOW. WATER COLLECTION BEGAN AT 5.5 GALS AND BY THE TIME THE VOLS WERE COLLECTED 7.0 GALS. HAD BEEN REMOVED, SAMPLING BEGAN IN ORDER TO MEET SHIPPING SCHEDULES

Variation from Field or Analytical Procedure: ONLY 5.5 OF THE ESTIMATED 7.0 GALLONS OF WATER RECOMMENDED FOR REMOVAL PRIOR TO SAMPLING WAS PURGED FROM MW01 PORT INTERVAL MW01A. NO CHANGE IN THE ANALYSES COLLECTED OCCURED.

Special Equipment, Materials or Personnel Required: _____

Initiators Name: Lay Zing

Date: 6/26/92

Project Approval: [Signature]

Date: 6 JUL 92

Laboratory Approval: [Signature]

Date: _____

QA Officer/Reviewer: Nilda Lunn

Date: 7 JUL 92

TDMT Filing: Nilda Lunn

Date: 7 JUL 92